

THAMES RIVER BASIN

01125500 QUINEBAUG RIVER AT PUTNAM, CT

LOCATION.--Lat 41°54'34", long 71°54'48", Windham County, Hydrologic Unit 01100001, on right bank at Putnam, 0.15 mi downstream from Little River, 0.3 mi upstream from New York, New Haven and Hartford Railroad bridge, 2.8 mi downstream from French River, 3.0 mi downstream from West Thompson Dam, and 36 mi upstream from mouth.

DRAINAGE AREA.--328 mi².

PERIOD OF RECORD.--December 1929 to September 1969, October 1995 to current year. Monthly discharge only for October and November 1929, published in WSP 1301. Stage record only October 1974 to September 1995.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 216.76 ft above sea level. Prior to Aug. 1, 1958, at same site on left bank at same datum. Satellite telemetry at station.

REMARKS.--Records good except those for periods with ice effect, which are fair. Flow regulated by East Brimfield, Westville, West Thompson, Hodges Village, and Buffumville Reservoirs, by Lake Chaubunagungamaug, estimated usable capacity 207,000,000 ft³, and by smaller reservoirs upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	166	301	e170	e800	1120	794	290	181	56	33	41
2	61	166	343	e160	919	1620	749	251	157	55	31	15
3	59	153	314	336	2550	1500	705	276	130	62	30	8.0
4	58	158	230	839	2760	2190	686	286	114	79	28	14
5	56	155	207	649	2310	3010	645	362	112	87	30	17
6	70	150	205	473	1780	2550	434	394	105	85	28	19
7	80	148	203	368	1360	2070	414	369	76	76	27	19
8	123	146	166	304	1210	1650	460	348	67	67	28	23
9	353	142	164	478	1020	1130	446	318	84	58	27	24
10	514	134	128	912	959	917	445	319	75	56	27	101
11	839	175	139	717	838	928	416	262	72	51	29	240
12	755	215	137	e500	776	900	397	239	65	47	32	175
13	562	221	145	e420	834	857	462	215	61	47	47	126
14	477	226	165	e390	864	843	459	178	63	46	81	83
15	553	206	168	e360	807	873	425	165	56	46	82	172
16	514	197	168	916	756	889	366	160	63	45	74	307
17	438	191	187	955	725	893	346	126	57	44	54	1190
18	375	211	224	961	775	931	300	114	59	39	27	1140
19	351	206	229	1970	937	1000	354	107	51	39	30	773
20	339	266	243	1870	978	1010	240	303	48	38	28	571
21	311	216	255	1430	e800	940	226	300	46	39	40	415
22	274	210	289	1350	e650	1450	191	307	45	41	35	355
23	261	280	294	1290	e575	2210	221	267	44	42	28	250
24	261	201	263	1450	e525	1930	365	318	44	45	35	203
25	253	271	237	2670	e480	1710	262	487	42	42	27	194
26	194	212	216	2770	669	1360	427	427	41	40	38	183
27	182	247	192	2100	717	1070	370	419	40	38	28	156
28	187	272	181	e1400	706	1040	303	346	40	37	38	105
29	209	258	179	e1200	---	1000	285	253	39	36	35	84
30	194	290	224	e1000	---	933	284	218	38	35	30	136
31	170	---	e190	e850	---	855	---	208	---	34	17	---
TOTAL	9148	6089	6586	31258	29080	41379	12477	8632	2115	1552	1124	7139.0
MEAN	295	203	212	1008	1039	1335	416	278	70.5	50.1	36.3	238
MAX	839	290	343	2770	2760	3010	794	487	181	87	82	1190
MIN	56	134	128	160	480	843	191	107	38	34	17	8.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1999, BY WATER YEAR (WY)

MEAN	275	447	559	662	677	1146	1132	617	411	241	227	265
MAX	1478	1553	1939	1289	1606	3627	2788	1090	1200	1773	2935	2276
(WY)	1956	1956	1997	1937	1951	1936	1940	1945	1948	1938	1955	1938
MIN	43.1	85.0	115	144	245	543	409	273	70.5	50.1	36.3	37.0
(WY)	1958	1965	1931	1944	1931	1941	1966	1965	1999	1999	1999	1957

e Estimated.

THAMES RIVER BASIN
01125500 QUINEBAUG RIVER AT PUTNAM, CT—Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1930 - 1999	
ANNUAL TOTAL	225146		156579.0			
ANNUAL MEAN	617		429		559	
HIGHEST ANNUAL MEAN					988	
LOWEST ANNUAL MEAN					257	
HIGHEST DAILY MEAN	3840	Mar 10	3010	Mar 5	26400	Aug 20 1955
LOWEST DAILY MEAN	45	Sep 21	8.0	Sep 3	8.0	Sep 3 1999
ANNUAL SEVEN-DAY MINIMUM	54	Sep 17	16	Sep 2	16	Sep 2 1999
INSTANTANEOUS PEAK FLOW			3320	Jan 25	^a 48000	Aug 19 1955
INSTANTANEOUS PEAK STAGE			7.75	Jan 25	^b 26.50	Aug 19 1955
INSTANTANEOUS LOW FLOW			3.9	Sep 2	3.9	Sep 2 1999
10 PERCENT EXCEEDS	1520		1010		1220	
50 PERCENT EXCEEDS	364		226		372	
90 PERCENT EXCEEDS	85		38		84	

- ^a From rating curve extended above 2,500 ft³/s on basis of computation of flow over dam at gage heights, 17.28 and 19.45 ft and slope-area measurement of peak flow.
- ^b From floodmarks.

